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Claims

What is claimed is:

- 10 Sub B1
1. A method of treating an energy related associated state, comprising administering to a subject an effective amount of an energy kinase modulator, such that an energy related associated state is treated.
 - 15 2. The method of claim 1, wherein said energy related associated state is related with an energy related associated state is a state associated with energy impairment.
 3. The method of claim 1, wherein said energy related associated state is related with an energy related associated state is a state associated with energy transmission.
 - 20 4. The method of claim 1, wherein said energy related associated state is related with an energy related associated state is a state associated with energy consumption.
 - 25 5. The method of claim 1, wherein said energy kinase modulator is bepridil, verapamil, nifedipine, nisoldipine, theophylline, semecarpus anacardium nut extract, 2-dioxy-D-glucose, vitamin E, caffeine, dipyridamole, papaverine, or cyclamidomycin (desdanine).
 - 30 6. The method of claim 1, wherein said energy related state is associated with a neurodegenerative disorder, insulin dependent diabetes mellitus or its related disorders, obesity, mitochondrial related diseases or a viral infection.
 7. The method of claim 1, wherein the subject is a mammal.
 8. The method of claim 7, wherein the subject is a human.
 - 35 9. A method for modulating an energy transmitting kinase in a subject, comprising administering to a subject an effective amount of an energy transmitting kinase modulator, such that an energy transmitting kinase is modulated.
 - 40 10. The method of claim 9, wherein said energy transmitting kinase is associated with energy impairment.

- 5 11. The method of claim 9, wherein said energy transmitting kinase is associated with consuming energy.
12. The method of claim 9, wherein said energy transmitting kinase is associated with transmitting energy.
- 10 13. The method of claim 9, wherein said energy transmitting kinase is associated with a neurodegenerative disorder, insulin dependent diabetes mellitus or its related disorders, obesity, mitochondrial related diseases or a viral infection.
- 15 14. The method of claim 9, wherein the subject is a mammal.
15. The method of claim 14, wherein the subject is a human.
- 20 16. A method of treating an energy related associated state, comprising administering to a subject an effective amount of an energy kinase modulator, such that an energy related associated state is treated, provided said energy related associated state does not involve creatine kinase.
- 25 17. The method of claim 16, wherein said energy related associated state is related with an energy impairing kinase.
18. The method of claim 16, wherein said energy related associated state is related with an energy transmitting kinase.
- 30 19. The method of claim 16, wherein said energy related associated state is related with an energy consuming kinase.
20. The method of claim 16, wherein said energy kinase modulator is
- 35 21. The method of claim 16, wherein said energy related state is associated with a neurodegenerative disorder, insulin dependent diabetes mellitus or its related disorders, obesity, mitochondrial related diseases or a viral infection.
22. The method of claim 16, wherein the subject is a mammal.
- 40 23. The method of claim 22, wherein the subject is a human.

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